



23490 Connecticut Street  
Hayward, California 94545  
510.773-9137-510.782-8584 Fax

May 2, 2005

Mr. William J. Gaffney  
NAPA SANITATION DISTRICT  
935 Hartle Court  
Napa, CA 94559

**Re: March 2005 Compliance Monitoring Results for the Jefferson Car Wash Site Groundwater Extraction and Treatment System, 3080 Jefferson Street, Napa, California, Industrial User Permit No. 495950.**

Dear Mr. Gaffney:

This letter presents the results of March 2005 Compliance Monitoring for the Groundwater Extraction and Treatment System (System) at the Jefferson Car Wash site, 3080 Jefferson Street, Napa, California. Compliance monitoring and reporting have been conducted in accordance with the guidelines stipulated in the Industrial User Permit No. 495950. Presented herein are the results of the 12<sup>th</sup> compliance monitoring event after System start-up on March 29, 2004.

The compliance monitoring activities for this reporting period were performed by Decon Environmental Services, the operations and maintenance (O&M) contractor for the System, under the direction of Malcolm Pirnie on April 11, 2005. The monitoring activities included:

1. Sampling the System effluent.
2. Recording the total volume of raw water discharged from individual extraction wells (EW-2 and EW-3).
3. Recording the total volume of treated water discharged to sanitary sewer.

Per the Permit requirements, effluent samples were analyzed for total petroleum hydrocarbons as diesel (TPH-D) by United States Environmental Protection Agency (USEPA) Method 8015M, TPH as gasoline (TPH-G), benzene, toluene, ethylene, total xylenes (BTEX), and methyl-tertiary-butyl ether (MTBE) by USEPA Method 8260B, and total lead by USEPA Method 6010B.

Mr. William J. Gaffney  
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Table 1 presents the analytical results for the System effluent and the System flow parameters. The analytical laboratory report is attached.

The analytical laboratory reported the concentrations of constituents of concern to be non-detect in the System effluent. The average daily discharge rate for this reporting period was estimated to be 6.77 gallons per minute (gpm), which was below the 8 gpm limit. A total of 380,293 gallons of treated water was discharged to the sanitary sewer during this reporting period.

Please contact Jason at (510) 732-6444 Ext. 17 or Todd Miller with Malcolm Pirnie at (510) 735-3014 to discuss any comments or questions.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that a qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Sincerely,

**DECON ENVIRONMENTAL SERVICES**



Jason Gulbransen  
Project Manager

Attachments: Table 1, Analytical Laboratory Report

c: George Altamura, Altamura Enterprises  
Joel Coffman, Napa County  
Todd Miller, Malcolm Pirnie

Mr. William J. Gaffney  
**NAPA SANITATION DISTRICT**

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File (4459-008)

P:\4459\008\GWTS Compliance Monitoring\Text\March 2005 Compliance Monitoring Letter Report.doc

**TABLE 1**  
**Compliance Monitoring Results, March 2005**  
**Interim Groundwater Extraction and Treatment System**  
**Jefferson Car Wash Site**  
*Industrial User Permit No: 495950*

Parameter	Units	USEPA Method	Date Collected	System Effluent	Permitted Reporting Limit <sup>1</sup>
<b>Volatile Organic Compounds</b>					
Methyl Tertiary-Butyl Ether	µg/L <sup>2</sup>	8260B	4/11/2005	< 1	1.0% LEL <sup>3</sup>
Benzene	µg/L	8260B	4/11/2005	< 0.5	1.0% LEL
Toluene	µg/L	8260B	4/11/2005	< 0.5	1.0% LEL
Ethylbenzene	µg/L	8260B	4/11/2005	< 0.5	1.0% LEL
Xylenes, Total	µg/L	8260B	4/11/2005	< 0.5	1.0% LEL
TPH as Gasoline	µg/L	8260B	4/11/2005	< 25	-- <sup>4</sup>
TPH as Diesel	µg/L	8015M	4/11/2005	< 50	--
Total Lead	mg/L <sup>5</sup>	6010B	4/11/2005	< 0.05	0.14
<b>Operational</b>					
Total Volume Discharged to Sanitary Sewer <sup>6</sup>	gallons	--	4/11/2005	380,293	--
Daily Average System Flow Rate <sup>7</sup>	gpm <sup>8</sup>	--	4/11/2005	6.77	8

**Notes:**

<sup>1</sup> As stated in Industrial User Permit, No: 495950, issued for the System on 03/02/2004.

<sup>2</sup> Micrograms per liter.

<sup>3</sup> Lower explosive limit.

<sup>4</sup> No reporting limit stated or not applicable.

<sup>5</sup> Milligrams per liter.

<sup>6</sup> The sum of volumes extracted from individual wells, EW-2 and EW-3, for this period as recorded by the flow totalizer at the respective well-head.

i.e., { Sum of Flow Totalizer Volume at EW-2 and EW-3 for this period } -

{ Sum of Flow Totalizer Volume at EW-2 and EW-3 for the previous period }

<sup>7</sup> Calculated as the *Total Volume Discharged to Sanitary Sewer* divided by the number of days the system was in operation during the reporting period (39 days for this period).

<sup>8</sup> Gallons per minute.

# Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Jason Gulbransen  
Decon Environmental Services, Inc.  
23490 Connecticut Street  
Hayward, CA 94545

**Certificate ID: 43149 - 4/14/2005 12:07:21 PM**

**Order Number: 43149**

**Date Received: 4/12/2005 12:29:23 PM**

**Project Name: Jefferson Carwash**

**P.O. Number: 4470**

**Project Number: 4470**

## Certificate of Analysis - Final Report

On April 12, 2005, sample was received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	EPA 8260B	EPA 8260B	
	Metals	EPA 6010B	
	TPH as Gasoline by GC/MS	GC-MS	
	TPH-Extractable	EPA 8015 MOD. (Extractable)	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).  
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy  
Laboratory Director

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Decon Environmental Services, Inc.  
23490 Connecticut Street  
Hayward, CA 94545  
Attn: Jason Gulbransen

Project Number: 4470  
Project Name: Jefferson Carwash  
Date Received: 4/12/2005  
P.O. Number: 4470  
Sample Collected by: Client

## Certificate of Analysis - Data Report

Lab #: 43149-001 Sample ID: Discharge Point

Matrix: Liquid Sample Date: 4/11/2005 8:17 AM

Method: EPA 6010B - ICP-AES

Prep Method: EPA 3005A - Acid Digestion for ICP

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	ND		1	0.05	mg/L	04/12/2005	WM050412	04/13/2005	WICP2050413-2

Analyzed by: Equeja

Reviewed by: DQUEJA

Method: EPA 8015 MOD. (Extractable)

Prep Method: EPA 3510C - Liq-Liq, Sep Funnel, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	50	µg/L	04/12/2005	DW050412	04/13/2005	DW050412

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	67.8	22 - 133

Analyzed by: Jhsiang

Reviewed by: BDHABALIA

Method: EPA 8260B - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.5	µg/L	N/A	N/A	04/13/2005	WMS1050413
Toluene	ND		1	0.5	µg/L	N/A	N/A	04/13/2005	WMS1050413
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	04/13/2005	WMS1050413
Xylenes, Total	ND		1	0.5	µg/L	N/A	N/A	04/13/2005	WMS1050413
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	04/13/2005	WMS1050413

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.8	75 - 125
Dibromofluoromethane	110	75 - 125
Toluene-d8	102	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

Method: GC-MS - Gas Chromatography/Mass Spectrometry (GC/MS)

Prep Method: EPA 5030B - Purge-and-Trap for Aqueous Samples

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	04/13/2005	WMS1050413

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.5	75 - 125
Dibromofluoromethane	114	75 - 125
Toluene-d8	106	75 - 125

Analyzed by: Xbian

Reviewed by: MTU

# Entech Analytical Labs, Inc.

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## Quality Control - Method Blank Liquid

QC/Prep Batch ID: WM050412

Validated by: DQUEJA - 04/13/05

QC/Prep Date: 4/12/2005

Method Blank

Method: EPA 6010B

Parameter	Result	DF	PQLR	Units
Lead	ND	1	0.05	mg/L

## Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

Reviewed by: DQUEJA - 04/13/05

Prep Batch ID: WM050412

QC BatchID: WICP2050413-2

Prep Date: 4/12/2005

Analysis Date: 4/13/2005

Method: EPA 6010B

Conc. Units: mg/L

Parameter	Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits
Lead	<0.02	0.50	0.49	98.7			75 - 125

Method: EPA 6010B

Conc. Units: mg/L

Parameter	Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits
Lead	<0.02	0.50	0.48	95.1	3.7	25.0	75 - 125

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

## Quality Control - Method Blank Liquid

QC/Prep Batch ID: DW050412

Validated by: BDHABALIA - 04/13/05

QC/Prep Date: 4/12/2005

Method Blank		Method: EPA 8015 MOD. (Extractable)			
Parameter		Result	DF	PQLR	Units
TPH as Diesel		ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits			
o-Terphenyl	91.5	22 - 133			

## Quality Control - Laboratory Control Spike / Duplicate Results

### Liquid

Reviewed by: BDHABALIA - 04/13/05

Prep Batch ID: DW050412

QC BatchID: DW050412

Prep Date: 4/12/2005

Analysis Date: 4/12/2005

Method: EPA 8015 MOD. (Extractable)				Conc. Units: µg/L			
LCS							
Parameter	Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<20	1000	840	83.8			40 - 138
TPH as Motor Oil	<90	1000	640	63.9			41 - 88
Surrogate	% Recovery	Control Limits					
o-Terphenyl	98.9	22 - 133					

Method: EPA 8015 MOD. (Extractable)				Conc. Units: µg/L			
LCSD							
Parameter	Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<20	1000	920	91.9	9.2	25.0	40 - 138
TPH as Motor Oil	<90	1000	650	65.1	2.0	25.0	41 - 88
Surrogate	% Recovery	Control Limits					
o-Terphenyl	101	22 - 133					



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

## Quality Control - Method Blank Liquid

QC Batch ID: WMS1050413

Validated by: MTU - 04/14/05

QC Batch ID Analysis Date: 4/13/2005

### Method Blank Method: EPA 8260B

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.5	µg/L
Ethyl Benzene	ND	1	0.5	µg/L
Methyl-t-butyl Ether	ND	1	1	µg/L
Toluene	ND	1	0.5	µg/L
Xylenes, Total	ND	1	0.5	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	96.3	75 - 125
Dibromofluoromethane	108	75 - 125
Toluene-d8	100	75 - 125

## Quality Control - Laboratory Control Spike / Duplicate Results Liquid

Reviewed by: MTU - 04/14/05

QC BatchID: WMS1050413

Analysis Date: 4/13/2005

### Method: EPA 8260B

Conc. Units: µg/L

LCS

Parameter	Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.2	20	20	99.5			80 - 120
Methyl-t-butyl Ether	<0.3	20	22	111			80 - 120
Toluene	<0.2	20	19	96.5			80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	95.4	75 - 125
Dibromofluoromethane	101	75 - 125
Toluene-d8	96.2	75 - 125

### Method: EPA 8260B

Conc. Units: µg/L

LCSD

Parameter	Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.2	20	19	95.5	4.1	25.0	80 - 120
Methyl-t-butyl Ether	<0.3	20	22	109	1.4	25.0	80 - 120
Toluene	<0.2	20	19	92.5	4.2	25.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	94.7	75 - 125
Dibromofluoromethane	100	75 - 125
Toluene-d8	96.4	75 - 125

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

## Quality Control - Method Blank Liquid

QC Batch ID: WMS1050413

Validated by: MTU - 04/14/05

QC Batch ID Analysis Date: 4/13/2005

### Method Blank Method: GC-MS

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	97.9	75 - 125
Dibromofluoromethane	113	75 - 125
Toluene-d8	104	75 - 125

## Quality Control - Laboratory Control Spike / Duplicate Results Liquid

Reviewed by: MTU - 04/14/05

QC BatchID: WMS1050413

Analysis Date: 4/13/2005

### Method: GC-MS

Conc. Units: µg/L

LCS

Parameter	Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<6	130	160	125			65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	99.5	75 - 125
Dibromofluoromethane	107	75 - 125
Toluene-d8	105	75 - 125

### Method: GC-MS

Conc. Units: µg/L

LCSD

Parameter	Blank (MDL)	Spike Amt	SpikeResult	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<6	130	150	119	5.1	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	99.3	75 - 125
Dibromofluoromethane	106	75 - 125
Toluene-d8	106	75 - 125

# Chain of Custody / Analysis Request

Sampler: <b>Scott Maddi</b> Global ID:	Field Org. Code:	Turn Around Time <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input checked="" type="checkbox"/> 5 Day <input type="checkbox"/> 10 Day	Client ID / Field Point Lab. No.	Date Time	Matrix	No. of Containers	EPA 8260B BTEX & MTBE & TPH Gas & by 8260B Lead Scavengers (MTBE, TBA, ETBA, DPE, TAME) Base/Neutral/Acid Organics 8270C & PAH - 8270C & PAH - 8270C SIM TPH Extractable: Diesel w/ Sol-Gel Cleanup Pesticides-8081 TPH as Gas/BTEX & MTBE & by 8015M/8020 PCBs - 8082 Motor Oil & Other	GC/MS Methods	GC Methods	General Chemistry	Remarks

Special Instructions or Comments			
Relinquished by:	Received by:	Date:	Time:
<i>[Signature]</i>	<i>[Signature]</i>	4/12/05	0852
Relinquished by:	Received by:	Date:	Time:
<i>[Signature]</i>	<i>[Signature]</i>	4/12/05	1100
Relinquished by:	Received by:	Date:	Time:
<i>[Signature]</i>	<i>[Signature]</i>		

**Metals:**  
 Al, As, Sb, Ba, Be, Bi, B, Cd, Ce, Ca, Cr, Co, Cs, Cu, Fe, Pb, Mg, Mn,  
 Ga, Ge, Hg, In, Li, Mo, Ni, P, K, Si, Ag, Na, S, Se, Sr, Ta, Te, Ti, Sn, V, W, Zr

☐ EDD Report  
☐ EDF Report  
☐ Plating  
☐ LUFT-5  
☐ RCRA-8  
☐ PPM-13  
☐ CAM-17

June 2004